

Mini Hi-Fi Component System

Operating Instructions

Owner's Record

The model and serial numbers are located on the rear panel. Record the serial number in the space provided below. Refer to them whenever you call upon your Sony dealer regarding this product.

	~
Model No.	Serial No



digipad

MHC-DP700 MHC-DP800AV

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WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

Do not install the appliance in a confined space, such as a bookcase or built-in cabinet.

This appliance is classified as a CLASS 1 LASER product. The CLASS 1 LASER PRODUCT MARKING is located on the rear exterior.



energy 3

Table of Contents

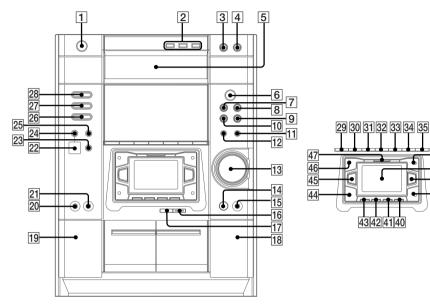
Parts Identification	Sound Adjustment
Main unit	Adjusting the sound
Getting Started	— Personal file
Hooking up the system	Other Features
into the remote	Changing the spectrum analyzer display
Setting the time	Singing along: Karaoke***
CD Loading a CD	— Sleep Timer
Programming the CD tracks — Program Play	Connecting audio components 26
esing the ob display	Additional Information
Presetting radio stations	Precautions
Таре	***Except for North American and European models
Loading a tape	

Parts Identification

The items are arranged in alphabetical order.

Refer to the pages indicated in parentheses () for details.

Main unit



FM MODE 34 (15)

2CH/MULTI 40 (23) CD 28 (8, 12, 13, 18, 19) CD SYNC HI-DUB [17] (18, 19) CLOCK/TIMER SET [31] (11, 19, 25) DECK A **19** (17) DECK B **18** (17, 18) digipad 37 (6, 9, 10, 11, 13, 15, 16, 17, 20, 22, 25) DIGITAL **24** (26) DIGITAL IN (or DIGITAL IN 2) (OPTICAL) jack 22 (26) DIRECTION 33 (17, 18, 19) DISC 1-3 2 (12, 13, 19) DISC SKIP EX-CHANGE 3 (12)Disc tray **5** (12) DISPLAY 29 (11, 14, 16) DOLBY NR 34 (17, 18, 19) DSP EDIT 45 (21) EDIT 33 (19) EFFECT 41 (21, 22) ENTER 38 (9, 10, 11, 13, 15, 16, 19, 20, 22, 23, 25)

GAME 23 (26) GAME MODE 44 (21) GROOVE 42 (21) IR receptor 14 KARAOKE PON (Except for North American and European models) 30 (23) MD (VIDEO) 25 (26) MIC jack (Except for North American and European models) 20 (23) MIC LEVEL control (Except for North American and European models) 21 (23) MOVIE MODE 36 (21) MULTI CHANNEL DECODING indicator 47 (24) MUSIC MODE 46 (21) P FILE 43 (22) PHONES jack 15 PLAY MODE 35 (12, 13, 19) PTY (European model only) 33

REC PAUSE/START [16] (18, 19)

REPEAT 34 (13)
SPECTRUM (North American and European models only) 30 (23)
TAPE A/B 26 (17, 18)
TIMER SELECT 32 (20, 25)
TOOL MODE 39 (21)
TUNER/BAND 27 (15)
TUNER MEMORY 35 (15)
VOLUME control 13

37

38

39

BUTTON DESCRIPTIONS

I/() (power) 1

Δ OPEN/CLOSE (disc tray) 4

✓► (play) 6

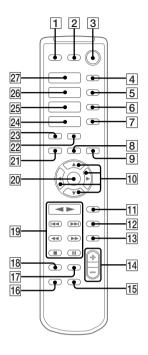
II (pause) 7

II (stop) 8

II (go back) 10

►I (go forward) 9

◄ (rewind) 12 **▶** /+ (fast forward) 11



2CH/MULTI 16 (23)
AMP MENU 18 (9, 23)
CD 27 (8, 12, 13, 18, 19)
CLEAR 6 (13)
D.SKIP 7 (12)
DIGITAL 24 (26)
DISPLAY 1 (11, 14, 16)
DSP EDIT 12 (21)
EFFECT ON/OFF 17 (21, 22)
ENTER 20 (9, 10, 11, 13, 15, 16, 19, 20, 22, 23, 25)
GAME 23 (26)
GAME MODE 9 (21)
MD (VIDEO) 22 (26)

MOVIE MODE **8** (21) MUSIC MODE **21** (21) P FILE [13] (22) REPEAT [5] (13) SLEEP [4] (24) SPEAKER LEVEL [15] (10) SPECTRUM [2] (23) TAPE A/B [25] (17, 18) TOOL MODE [11] (21) TUNER/BAND [26] (15) VOL +/- [14]

BUTTON DESCRIPTIONS

1/() (power) 3

(play) 19

(pause) 19

■ (stop) 19

| (go back) 19 ►► (go forward) 19

(go forward) [19] **◄** (rewind) [19]

►► (fast forward) 19

△/▼/⊲/▶ 10

digipad operations

This model is equipped with an unique digipad multi controlling device. You can control various operations with this digipad.

CD, TUNER, TAPE A/B functions



Basic operation	CD, TUNER, TAPE A/B	
Tap once	✓► (Start playback)*	
Tap twice	■ (Stop playback)	

* When you tap the digipad while playing a CD, playback pauses. Tap again to resume playback.



Slide from the left to the right	▶▶ (AMS +, preset +)**
Slide from the right to the left	◄ (AMS –, preset –)**



Slide from lower side to upper side	►► (Fast forward, tuning +)**
Slide from upper side to lower side	◄ (Rewind, tuning –)**

^{**} If you keep on moving, you can operate as pressing and holding these buttons.

Adjusting the equalizer curve in EQ EDIT operations (page 21)

The curve made by sliding the finger is reflected in the display.

Selecting parameters in DSP EDIT and other adjustments (page 21)

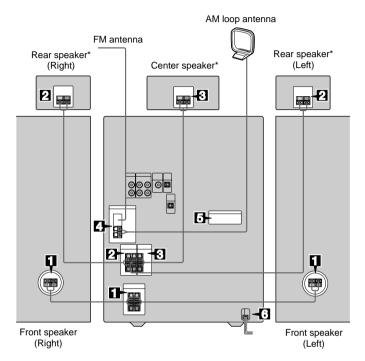
Slide in the direction until you reach the value you want (refer to each of the operations).

Notes

- · Do not use utensil whose end is sharpened.
- When this unit does not respond to the digipad operations, press the digipad a little harder.

Hooking up the system

Do the following procedure 1 to 6 to hook up your system using the supplied cords and accessories.

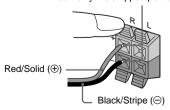


* MHC-DP800AV only.

1 Connect the front speakers.

Connect the speaker cords to the SPEAKER jacks (MHC-DP700) or FRONT SPEAKER jacks (MHC-DP800AV).

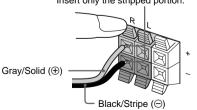
Insert only the stripped portion.



2 Connect the rear speakers. (MHC-DP800AV only)

Connect the speaker cords to the REAR SPEAKER jacks.

Insert only the stripped portion.



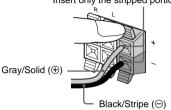
continued

Hooking up the system (continued)

3 Connect the center speaker. (MHC-DP800AV only)

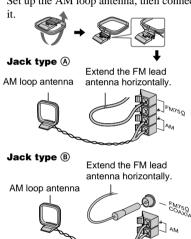
Connect the speaker cords to the CENTER SPEAKER jacks.

Insert only the stripped portion.



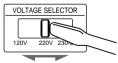
4 Connect the FM/AM antennas.

Set up the AM loop antenna, then connect



The plug of the FM antenna may vary according to the model you purchased.

5 For models with a voltage selector, set **VOLTAGE SELECTOR** to the position of your local power line voltage.

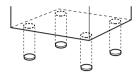


6 Connect the power cord to a wall outlet.

The demonstration appears in the display. When you press 1/0, the system turns on and the demonstration automatically ends. If the supplied adaptor on the plug does not fit your wall outlet, detach it from the plug (only for models equipped with an adaptor).

To attach the speaker pads

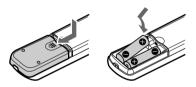
Attach the supplied speaker pads to the bottom of the speakers to stabilize the speakers and prevent them from slipping.



Notes

- · Keep the speaker cords away from the antennas to prevent noise.
- · The type of speakers supplied vary according to the model you purchased (see "Specifications" on page 30).
- · Do not place the rear speakers on top of a TV. This may cause color distortion in the TV screen.
- For MHC-DP800AV, be sure to connect both left and right rear speakers. Otherwise, the sound will not be heard.

Inserting two size AA (R6) batteries into the remote



When the remote no longer operates the system, replace both batteries with new ones.

If you do not use the remote for a long period of time, remove the batteries to avoid possible damage from battery leakage.

Notice for carrying this system

Do the following to protect the CD mechanism.

- **1** Turn on the system, then press CD. Make sure that all discs are removed from the unit.
- 2 Hold down CD, then press I/ until "LOCK" appears.
- **3** Release I/(¹) first, then release CD.
- 4 Unplug the AC power cord.

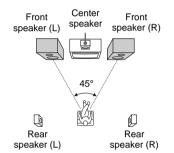
Setting up your speakers for Dolby Pro Logic

(MHC-DP800AV only)

Dolby Pro Logic Surround improves the sound image by using four separate channels. These channels manipulate the sound to be heard and enhance the action on the screen.

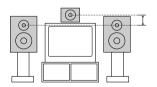
Positioning the speakers

1 Place the front speakers at an angle of 45 degrees from your listening position.

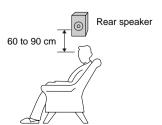


2 Place the center speaker at about the same height as the front speakers.

Align the center speaker with the front speakers or place it slightly behind the front speakers.



3 Place the rear speakers facing each other at about 60 to 90 cm above your listening position.



Specifying the distance of the speakers

Use the remote for the operation.

- 1 Press AMP MENU.
- 2 From your listening position, press ▲ or ▼ repeatedly to select the parameter.

 Adjustable parameters are described below.
- 3 Press ◀ or ▶ repeatedly to select the setting you want.
- 4 Repeat steps 2 to 3 to set other parameters.
- 5 Press ENTER.

Tip

You can use the digipad instead of the cursor buttons $(\triangle/\nabla/\blacktriangleleft/\triangleright)$.

Note

If each of the front or rear speakers is not placed at an equal distance from your listening position, set the distance of the closest speaker.

Adjustable parameters

The default settings are in the parentheses.

- FRNT: 1.0 meter to 12.0 meters (2.4 meters) (3 feet to 40 feet (8 feet))*
 Front speakers distance.
- CTR: FRNT to 1.5 meters (2.4 meters) (FRNT to 5 feet (8 feet))* Center speaker distance.
- REAR: FRNT to 4.5 meters (1.5 meters) (FRNT to 15 feet (5 feet))*
 Rear speakers distance.

Note

To enjoy Dolby Pro Logic surround with 2 channel PCM or analog input sources, select "NORMAL SURR" from the sound effect options (see page 21).

^{*} North American model only.

Specifying the speaker parameters

Use the remote for the operation.

1 From your listening position, press SPEAKER LEVEL.

Adjustable menus and parameters are described below.

- 2 Press ▲ or ▼ repeatedly to select the parameter.
- 3 Press ◀ or ▶ repeatedly to select the setting you want.
- 4 Repeat steps 2 to 3 to set other parameters.
- 5 Press ENTER.

qiT

You can use the digipad instead of the cursor buttons $(\triangle/\nabla/\blacktriangleleft/\triangleright)$.

Adjustable parameters
The default settings are in the parentheses.

■ BALANCE

- FRNT L__R: (center)
 Balance between the front left and right
 speakers.
- (MHC-DP800AV only)
 REAR L___R: (center)
 Balance between the rear left and right speakers.

Range: 6 dB (L) to 6 dB (R), 13 steps

- LEVEL (MHC-DP800AV only)
- REAR ** dB: (0 dB)
 Level of the rear speakers.
 Range: -6 dB to 6 dB, 1 dB steps
- CTR ** dB: (0 dB) Level of the center speaker. Range: -6 dB to 6 dB, 1 dB steps
- SW ** dB: (10 dB)
 Level of the sub woofer.
 Range: -10 dB to 10 dB, 1 dB steps

■ I FF

LFE *****: (0 dB)

Level of the LFE (Low Frequency Effect) channel output.

Range: OFF, -20 dB to 0 dB, 1 dB steps "OFF" cuts the sound of the LFE channel. However, the low frequency sound of the speakers are output from the sub woofer. "-20 dB" to "0 dB" settings allow you to attenuate the LFE signal. "0 dB" outputs the full LFE signal at the mix level determined by the recording engineer.

■ D.COMP.

• D.COMP.: (STD)

Dynamic range compression.
Range: OFF, 0.1 to 0.9, STD, MAX
"OFF" does not compress the dynamic range.
"0.1" to "0.9" settings allow you to compress the dynamic range in small steps. "STD" reproduces the sound track with the dynamic range intended by the recording engineer.
"MAX" provides a great compression of the dynamic range.

■ T.TONE (MHC-DP800AV only)

• T.TONE: (OFF) Test tone output. Range: OFF, ON

"ON" outputs the test tone from each speaker in sequence. Adjust the LEVEL and BALANCE parameters so that the volume level of the test tone from each speaker sounds the same using the remote from your listening position. Select "OFF" to turn off the test tone.

Notes

- When you adjust the level of the sub woofer, set T.TONE to "OFF".
- Dynamic range compression is possible with Dolby Digital sources only.

Setting the time

- 1 Turn on the system.
- 2 Press CLOCK/TIMER SET.

 When you set the time for the first time.

When you set the time for the first time, proceed to step 5.

- 3 Press I◀◀ or ▶►I repeatedly to select "CLOCK SET".
- 4 Press ENTER.
- 5 Press I or ▶ repeatedly to set the hour.
- 6 Press ENTER.
- 7 Press I or ► repeatedly to set the minutes.
- 8 Press ENTER.

Tips

- If you have made a mistake or want to change the time, start over from step 2.
- You can use the digipad instead of I

 ✓ I

Note

The clock settings are canceled when you disconnect the power cord or if a power failure occurs.

Saving the power in standby mode

Press DISPLAY repeatedly when the power is off.

Each time you press the button, the system switches cyclically as follows:

Demonstration \rightarrow Clock \rightarrow Power Saving Mode

To cancel the Power Saving Mode Press DISPLAY once to show the demonstration, twice to show the clock display.

Tips

- I/🖰 indicator lights up even in the Power Saving Mode.
- · The timer functions during the Power Saving Mode.

Note

During the Power Saving Mode, the following functions do not work:

- Setting the time.
- Changing the AM tuning interval (except for European and Middle Eastern models).
- Pressing a function button to turn the power on.
- Switching the function of MD (VIDEO).

Loading a CD

1 Press ■ OPEN/CLOSE.

The disc tray slides out.

2 Place a CD with the label side up on the disc tray.

To insert additional discs, press DISC SKIP EX-CHANGE to rotate the disc tray.

Playing a CD

— Normal Play/Shuffle Play/Repeat Play

This unit lets you play the CD in different play modes.

1 When playback is stopped, press PLAY MODE repeatedly until the mode you want appears in the display.

5 Press ENTER.

The track(s) is (are) programmed. The program step number appears, followed by the total playing time.

6 To program additional tracks, repeat steps 3 to 5.

Skip step 3 to select tracks from the same disc.

7 Press **◄►**.

То

Cancel Program Play

Clear a track from the end

Add a track to the program when playback is stopped

Tips

 The program you made remains in the system's memory even after it has been played back. Press
 to play the same program again.

Using the CD display

You can check the remaining time of the current track or that of the CD.

When a CD TEXT disc is loaded, you can check the information stored on the disc, such as the titles or artist names. When the unit detects CD TEXT discs, the "CD TEXT" indication appears in the display.

Press DISPLAY.

Each time you press the button, the display changes cyclically as follows:

During normal playback

Playing time on the current track →
Remaining time on the current track →
Remaining time on the current CD ("1 DISC"
mode) or "--.-" display ("ALL DISCS" mode)
→ Title name of the current track* → Clock
display (for 8 seconds) → Effect status

When playback is stopped

When the CD player is in program mode and there is a program:

The last track number of the program and the total playing time** → Total number of programmed tracks (for 8 seconds) → Title name of the CD* → Clock display (for 8 seconds) → Effect status

In other conditions:

Total number of tracks and the total playing time \rightarrow Title name of the CD* \rightarrow Clock display (for 8 seconds) \rightarrow Effect status

- * With CD TEXT discs only (certain characters cannot be displayed). Depending on the disc, some CD TEXT information may not appear.
- ** "---" appears in the following cases;
 - when the CD contains 21 tracks or more, and track number which exceeds 20 is selected.
 - when the program time exceeds 100 minutes.

Presetting radio stations

You can preset 20 stations for FM and 10 stations for AM.

- 1 Press TUNER/BAND repeatedly to select FM or AM.
- 2 Press and hold ◀◀ or ▶▶ until the frequency indication starts to change, then release.

Scanning stops when the system tunes in a station. "TUNED" and "STEREO" (for a stereo program) appear.



3 Press TUNER MEMORY.

A preset number appears in the display. The stations are stored from preset number 1.



4 Press ENTER.

The station is stored.

5 Repeat steps 1 to 4 to store other stations.

To tune in a station with a weak signal

Press ◀◀ or ▶▶ repeatedly to tune in the station manually.

To set another station to an existing preset number

Start over from step 1. After step 3, press I

or ▶ repeatedly to select the preset number where you want to store a new station, then proceed to step 4.

Tips

- Pressing TUNER/BAND while the power is off automatically turns the power on.
- You can use the digipad instead of ◄◄/►►.
- The preset stations are retained for half a day even if you unplug the power cord or if a power failure occurs.

To change the AM tuning interval (Except for European and Middle Eastern models)

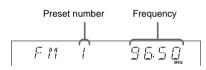
The AM tuning interval is factory set to 9 kHz (10 kHz in some areas). To change the AM tuning interval, tune in any AM station first, then turn off the power. While holding down the ENTER button, turn the power back on. When you change the interval, AM preset stations will be erased. To reset the interval, repeat the same procedure.

Listening to the radio

- Preset Tuning

Preset radio stations in the tuner's memory first (see "Presetting radio stations").

- 1 Press TUNER/BAND repeatedly to select FM or AM.
- 2 Press I or ► repeatedly to tune in the preset station you want.



То	Do this
Turn off the radio	Press I/U.

To listen to non-preset radio stations

In step 2, press ◀◀ or ▶► repeatedly (Manual Tuning) or press and hold ◀◀ or ▶► (Automatic Tuning).

Tips

- Pressing TUNER/BAND while the power is off automatically turns the power on.
- You can use the digipad instead of ◄◄/►►.
- When an FM program is noisy, press FM MODE so that "MONO" appears in the display. There will be no stereo effect, but the reception will improve.
- To improve broadcast reception, reorient the antennas.

Using the Radio Data System (RDS)

(European model only)

What is the Radio Data System?

Radio Data System (RDS) is a broadcasting service that allows radio stations to send additional information along with the regular program signal. This tuner offers convenient RDS features like station name display and location of stations by program type. RDS is available only for FM stations.

Note

RDS may not work properly if the station you are tuned to is not transmitting the RDS signal properly or if the signal is weak.

Receiving RDS broadcasts

Simply select a station from the FM band.

When you tune in a station that provides RDS services, the station name appears in the display.

To check the RDS information

Press DISPLAY.

Each time you press the button, the display changes cyclically as follows:

Station name* → Frequency → Program type* → Clock display → Effect status

* If the RDS broadcast is not received, the station name and program type may not appear in the display.

Locating a station by program type (PTY)

You can locate a station you want by selecting a program type. The tuner tunes in the type of programs currently being broadcast from the RDS stations stored in the tuner's preset memory.

The types of programs include NEWS, AFFAIRS (current news), INFO, SPORT, EDUCATE (education programs), DRAMA, CULTURE, SCIENCE, VARIED (interviews, games and comedy), POP M, ROCK M, EASY M, LIGHT M, CLASSICS, OTHER M, WEATHER, FINANCE, CHILDREN, SOCIAL, RELIGION, PHONE IN, TRAVEL, LEISURE, JAZZ, COUNTRY (country music), NATION M (nation's popular music), OLDIES, FOLK M, DOCUMENT (investigative features), TEST (test signal for emergency broadcast), ALARM (emergency broadcast) and NONE (any programs not defined above).

- 1 Press PTY while listening to the radio.
- 2 Press I or ► repeatedly to select the program type you want.
- 3 Press ENTER.

"PTY SEARCH" and the selected program type appear alternately in the display. When the tuner receives a program, the preset station name flashes.

- 4 Press I

 or

 I repeatedly to continue searching for the station name you want.
- 5 Press ENTER while the preset station name you want is flashing.

To cancel the PTY search

Press PTY again.

diT

You can use the digipad instead of ►.

Note

"NOT FOUND" appears when the program type you selected is not currently being broadcast.

Loading a tape

- 1 Press TAPE A/B repeatedly to select deck A or B.
- 2 Press DECK A or DECK B .
- 3 Insert a tape in deck A or B.

Insert with the side you want to play/record facing forward.



Playing a tape

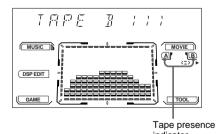
You can use TYPE I (normal) or TYPE II (CrO₂) tapes. The deck automatically detects the tape type.

- 1 Load a tape.
- 2 Press DIRECTION repeatedly to select

 to play one side,
 to play both
 sides, or RELAY* (Relay Play) to play
 both decks in succession.
- 3 Press **◄►**.

The tape starts playing.

Press again to play the reverse side. When you select cor RELAY, the deck stops automatically after repeating the sequence 5 times.



* Relay Play always follow this cyclic sequence: Deck A (front side) → Deck A (reverse side) → Deck B (front side) → Deck B (reverse side)

То	Do this
Stop playback	Press ■.
Pause playback	Press II. Press again to resume playback.
Fast-forward	Press ▶ while playing the front side or press while playing the reverse side.
Rewind	Press ◀◀ while playing the front side or press ▶▶ while playing the reverse side.

Tips

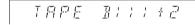
- You can use the digipad for tape operations.
- Pressing TAPE A/B while the power is off automatically turns the power on.
- When you want to reduce the hiss noise in low-level high-frequency signals, press DOLBY NR so that "DOLBY NR" appears in the display.
- When a tape is inserted, corresponding presence indicator lights up.

Searching for the beginning of a track (AMS*)

During playback, press I◀◀ or ▶▶I repeatedly for the number of songs you want to skip forward (or backward).

The search direction, + (forward) or – (back), and number of songs being skipped (1~9) appear in the display.

Example: searching forward 2 songs



* Automatic Music Sensor

Note

The AMS function may not operate correctly under the following circumstances:

- When the unrecorded space between songs is less than 4 seconds long.
- When the unit is placed near a television.

Recording to a tape

— CD Synchro Recording/High-Speed Dubbing/Recording Manually/Program Edit

You can record from a CD, tape, radio or other connected component. You can use TYPE I (normal) or TYPE II (CrO₂) tapes. The recording level is adjusted automatically.

Steps	Recording from a CD (CD Synchro Recording)	Recording from a tape (High-Speed Dubbing)	Recording Manually	
1	Insert a recordable tape into deck B.			
2	Press CD.	Press TAPE A/B repeatedly to select TAPE A function.	Press a function button for the recording source.	
3	Insert the CD you want to record.	Insert the tape you want to record into deck A.	Insert the CD/tape, or tune in the station you want to record.	
4	Press CD SYNC HI-DUB.		Press REC PAUSE/ START.	
	Deck B stands by for recording.			
	The REC PAUSE/START button flashes.			
	To reduce the hiss noise in low-level high-frequency signals, press DOLBY NR so that "DOLBY NR" appears in the display (except when recording from a tape).			
5	Press DIRECTION repeatedly to select			
6	Press REC PAUSE/START. Recording starts.			
7			Start playing the recording source.	

То	Press
Stop recording	Χ.
Pause recording*	REC PAUSE/START.

^{*} Only when recording manually.

Tips

- If you want to record from the reverse side, press TAPE A/B to select deck B and press n N to start playback of the reverse side after step 1. Press x where you want to start recording.
- When you record on both sides, be sure to start from the front side. If you start from the reverse side, recording stops at the end of the reverse side.
- (High-Speed Dubbing only)
 If you set direction to when the tapes have different lengths, the tapes in each deck reverses independently. If you select RELAY, the tapes in both decks reverse together.

Notes

- · You cannot listen to other sources while recording.
- · You cannot use the digipad during recording.
- If you change the setting of sound, such as changing the preset effect file, while recording, the recording sound is interrupted at the point.
- If you start recording with the 2CH/MULTI set to V.SEMI M.D., MULTI, or V.M.DIMENS., the setting automatically changes to 2CH.

Recording a CD by specifying track order

— Program Edit

When programming, make sure the playing times for each side do not exceed the length of one side of the tape.

- 1 Insert a recordable tape into deck B, then press CD.
- 2 Press PLAY MODE repeatedly until "PROGRAM" appears in the display.
- 3 Press DISC 1-3 to select a CD.

Disc trav Track

To program all the tracks on a CD at once, proceed to step 5 while "AL" appears in the display.

Total playing time

4 Press I or ► repeatedly until the track you want appears in the display.

number number (including selected track)

5 Press ENTER.

The track(s) is (are) programmed. The program step number appears, followed by the total playing time.

6 To program additional tracks, repeat steps 3 to 5.

Skip step 3 to select tracks from the same disc

7 Press CD SYNC HI-DUB.

Deck B stands by for recording. To reduce the hiss noise in low-level high-frequency signals, press DOLBY NR so that "DOLBY NR" appears in the display. The REC PAUSE/START button flashes.

- 9 Press REC PAUSE/START.

Recording starts.

To cancel Program Edit

Press PLAY MODE repeatedly until "1 DISC" or "ALL DISCS" appears in the display.

Tip

To check the required tape length for recording a CD, press EDIT after you have inserted a CD and pressed CD. The required tape length for the currently selected CD appears, followed by the total playing time for side A and side B (Tape Select Edit).

Note

You cannot use Tape Select Edit for discs containing over 20 tracks.

Timer-recording radio programs

To timer-record, you must set the clock (see "Setting the time" on page 11) and preset the radio stations (see "Presetting radio stations" on page 15) beforehand.

- 1 Tune in the preset radio station (see "Listening to the radio" on page 15).
- 2 Press CLOCK/TIMER SET.

"DAILY1 SET" appears.

3 Press I◀◀ or ▶►I repeatedly to select "REC SET", then press ENTER.

"ON" appears and the hour indication flashes.

4 Set the time to start recording.

Press ► or ► repeatedly to set the hour, then press ENTER.

The minute indication flashes.

Press ► or ► repeatedly to set the minutes, then press ENTER.

The hour indication flashes again.

continued

Timer-recording radio programs (continued)

5 Set the time to stop recording following step 4.

The start time appears, followed by the stop time, the preset radio station to be recorded (e.g., "TUNER FM 5"), then the original display appears.

6 Insert a recordable tape into deck B.

7 Turn off the power.

When the recording starts, the volume level is set to the minimum.

То	Do this
Check the setting	Press TIMER SELECT and press I◀◀ or ▶► repeatedly to select "REC SELECT", then press ENTER.
Change the setting	Start over from step 1.
Cancel the Timer-recording	Press TIMER SELECT and press I◀◀ or ▶► repeatedly to select "TIMER OFF", then press ENTER.

Tip

You can use the digipad instead of ►.

Notes

- If the power is on at the preset time, the Timer-recording does not work.
- When you use the Sleep Timer, the Timer-recording will not turn on the system until the Sleep Timer turns it off.
- The power turns on 15 seconds before the preset time.

Adjusting the sound

Press GROOVE.

Each time you press the button, the display changes cyclically as follows:

GROOVE ON \rightarrow V-GROOVE ON \rightarrow GROOVE OFF

GROOVE: The volume switches to power mode and the equalizer curve changes.

V-GROOVE: The volume switches to power mode, the lower bass frequencies of the sound you are listening to is powerfully reinforced, and the equalizer curve changes.

Selecting the preset effect file

Press one of the DSP buttons (MUSIC MODE, MOVIE MODE, GAME MODE, or TOOL MODE) repeatedly to select the preset effect you want.

The preset effect name appears in the display. See "Sound effect options" below.

To cancel

Press EFFECT (or EFFECT ON/OFF on the remote) to select "EFFECT OFF". All the parameters become flat.

Sound effect options

You can enjoy surround sound simply by selecting one of the preset effect according to the program you want to listen to.

DSP MODE	Options
MUSIC	LIVE HOUSE
MODE	HALL
	S.ENHANCE (SOUND ENHANCE)
	RADIO SOUND
MOVIE	C.STUDIO A (CINEMA STUDIO A)
MODE	C.STUDIO B (CINEMA STUDIO B)
	C.STUDIO C (CINEMA STUDIO C)
	NORMAL SURR (NORMAL SURROUND)
GAME	ARCADE
MODE	RACING
	ADVENTURE
	BATTLE
TOOL	PAN
MODE	FLANGER
	KEY CONTROL
	EXCITER
	COMPRESSOR
	REVERB
	EARLY RFLC. (EARLY REFLECTION)
CINEMA	STUDIO A: Reproduces the sound

CINEMA STUDIO A: Reproduces the sound characteristics of Sony Pictures Entertainment's classic editing studio.

CINEMA STUDIO B: Reproduces the sound characteristics of Sony Pictures Entertainment's mixing studio which is one of the most up-to-date facilities in Hollywood.

CINEMA STUDIO C: Reproduces the sound characteristics of Sony Pictures Entertainment's BGM recording studio.

Adjusting the sound effects

Before operation, first select the audio effect you want for your basic sound.

1 Press DSP EDIT.

Each time you press the button, the display changes cyclically as follows:

DSP EDIT* (to adjust DSP) → EQ EDIT (to adjust equalizer)

* This menu does not appear depending on the audio effect.

continued

Adjusting the sound effects (continued)

2 Use the digipad to adjust the parameters.

The parameter is adjusted according to the curve your finger slides on the digipad.

Adjustable parameters are described below.

After the curve your finger slides is displayed for a while, then the curve automatically adjusted by the unit is displayed. For DSP EDIT, the adjustable parameters vary depending on the preset effect.

3 Press ENTER.

To cancel

Press EFFECT (or EFFECT ON/OFF on the remote) to select "EFFECT OFF". The adjustment for the selected parameter is canceled.

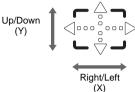
Adjustable parameters

Menu	Right/Left (X)	Up/Down (Y)	
DSP EDIT	(See the chart below)		
EQ EDIT	Frequency	Level	

Adjustable DSP parameters

Sound effect	Right/Left	Up/Down
options	(X)	(Y)
LIVE HOUSE	Time	Wall type
HALL	Time	Wall type
S.ENHANCE	Time	Level
RADIO SOUND	Time	Level
C.STUDIO A	Level	_
C.STUDIO B	Level	_
C.STUDIO C	Level	_
NORMAL SURR	_	_
ARCADE	Time	Level
RACING	Shape	_
ADVENTURE	Frequency	Level
BATTLE	Time	Wall type
PAN	Position	Position
FLANGER	Frequency	Level
KEY CONTROL	Key	Time
EXCITER	Frequency	Level
COMPRESSOR	Time	Level
REVERB	Time	Wall type
EARLY RFLC.	Shape	_

Wall type: This parameter lets you control the level of the high frequencies to alter the sonic character of your listening environment by simulating a softer or harder wall. The adjustable DSP parameters are shown by the indicator on the upper left corner in the display. You can adjust in the direction the cursor lights. Slide your finger on the digipad to adjust the parameters.



Tips

- You can use the cursor buttons (▲/▼/◄/▶) on the remote instead of the digipad. You can press 2 buttons simultaneously to move obliquely.
 Example: Press ▲ and ▶ simultaneously to move upper right direction.
- You can store the adjusted effect in a personal file (see "Creating a personal audio effect file").

Creating a personal audio effect file

- Personal file

You can store the adjusted audio effects in the system's memory. You can create up to 5 audio effect files.

- 1 Obtain the sound effect you want to store to P FILE.
- 2 Press and hold P FILE.

The personal file number appears in the display.

- 3 Touch the digipad to select the file number where you want to store the effect.
- 4 Press ENTER.

To call up a personal file

Press P FILE repeatedly to select the file.

Note

When using personal files, the adjustable DSP EDIT parameters depend on the original preset effect.

Changing the spectrum analyzer display

Press SPECTRUM on the remote.

Each time you press the button, the display changes cyclically as follows:

PATTERN 1 \rightarrow PATTERN 2 \rightarrow PATTERN OFF

To adjust the brightness of the display

Use the remote for the operation.

- 1 Press AMP MENU.
- 2 Press ▲ or ▼ to select "DIMMER".
- 3 Press ◀ or ▶ repeatedly to select the setting you want.

DIMMER 1 \rightarrow DIMMER 2 \rightarrow DIMMER 3

4 Press ENTER.

To listen to multi channel sound

Press 2CH/MULTI.

Each time you press the button, the display changes cyclically as follows:

2CH → V.SEMI M.D. → MULTI* → V.M.DIMENS.*

2CH: The sound is output in 2-channel stereo.

V.SEMI M.D. (Virtual Semi Multi

Dimension): Uses 3D sound imaging to create virtual rear speakers from the sound of the front speakers without using actual rear speakers. This mode creates 5 sets of virtual speakers surrounding the listener at a 30° angle of elevation.

MULTI*: The sound is output in multi channel.

V.M.DIMENS. (Virtual Multi Dimension)*:

Uses 3D sound imaging to create an array of virtual rear speakers positioned higher than the listener from a single pair of actual rear speakers. This mode creates 5 sets of virtual speakers surrounding the listener at approximately a 30° angle of elevation.

* MHC-DP800AV only.

Notes

- When using headphones, this setting is fixed to "2CH". You cannot select other settings.
- While decoding DTS signals, you cannot select the sound effect option of MUSIC MODE together with V.SEMI M.D. or V.M.DIMENS. simultaneously.

Singing along: Karaoke

(Except for North American and European models)

You can sing along with any stereo CD or tape by turning down the singer's voice. You need to connect an optional microphone.

- 1 Turn MIC LEVEL to MIN to turn down the microphone volume.
- 2 Connect an optional microphone to MIC jack.
- 3 Press KARAOKE PON.

Each time you press the button, the display changes cyclically as follows:

KARAOKE PON \rightarrow MPX R \rightarrow MPX L \rightarrow Effect status*

* KARAOKE PON is cancelled.

To sing karaoke by decreasing the vocal level of a CD or a tape, select "KARAOKE PON". To sing karaoke of multiplex CD, select "MPX R" or "MPX L".

- 4 Start playing the music and adjust the volume.
- 5 Adjust the microphone volume by turning MIC LEVEL.

After you have finished

Turn MIC LEVEL to MIN and disconnect the microphone from MIC jack, then press KARAOKE PON repeatedly until "\"" " disappears.

Singing along: Karaoke (continued)

Notes

- With some songs, vocals may not be canceled when you select "KARAOKE PON".
- If you recall a sound effect, the karaoke mode is canceled.
- During "KARAOKE PON", "MPX R" or "MPX L", DSP effect switches to "KEY CONTROL".
 When the karaoke effect is canceled, the DSP effect before entering the karaoke effect is applied again.
- The instrumental sound may be reduced as well as the singer's voice when the sound is recorded in monaural
- · The singer's voice may not be reduced when:
 - only a few instruments are playing.
 - a duet is being played.
 - the source has strong echoes or chorus.
 - the singer's voice deviates from the center.
 - the voice on the source is singing in high soprano or tenor.

Mixing and recording sound

- 1 Do the procedure for "Singing along" (steps 1 through 5). Then, load a recordable tape in deck B.
- 2 Press the function button of the source you want to record (e.g. CD).

When you want to record from TAPE A, press TAPE A/B repeatedlly until TAPE A is selected.

3 Press REC PAUSE/START.

Deck B stands by for recording.

- 4 Press DIRECTION repeatedly to select

 to record on one side. Select (♣)

 (or RELAY) to record on both sides.
- **5** Press REC PAUSE/START.

Recording starts.

6 Press **◄►** to start playing the source to be recorded.

Start singing along the music.

To stop recording

Press ■.

Tips

- If acoustic feedback (howling) occurs, move the microphone away from the speakers or change the direction of the microphone.
- If you want to record your voice through the microphone only, you can do so by selecting the CD function and not playing a CD.
- When high level sound signals are input, the unit automatically adjusts the recording level to prevent distortion of the recorded sound signal (Auto Level Control Function).

About indicators

MULTI CHANNEL DECODING indicator:

Lights up when the unit is decoding signals recorded in a multi channel format.

PRO LOGIC indicator (in the display) (MHC-DP800AV only): Lights up when the unit applies Dolby Pro Logic processing to 2 channel signals in order to output the center and rear channel signals.

DID **DIGITAL indicator** (in the display): Lights up when the unit is decoding signals recorded in the Dolby Digital format.

dts indicator (in the display): Light up when DTS signals are input.

Falling asleep to music

- Sleep Timer

You can set the system to turn off at a preset time, so you can fall asleep to music.

Press SLEEP on the remote.

Each time you press the button, the minute display (the turn-off time) changes as follows:

AUTO*
$$\rightarrow$$
 90 \rightarrow 80 \rightarrow 70 \rightarrow ... \rightarrow 10 \rightarrow OFF

* The power turns off when the current CD or tape finishes playback (for up to 100 minutes).

То	Press	
Check the remaining time (Except for AUTO)	SLEEP once.	
Change the time to turn off	SLEEP repeatedly to select the time you want.	
Cancel the Sleep Timer	SLEEP repeatedly until "SLEEP OFF" appears.	

Waking up to music

- Daily Timer

You can wake up to music at a preset time every day. Make sure you have set the clock (see "Setting the time" on page 11).

- Prepare the music source you want to play.
 - CD: Load a CD. To start from a specific track, make a program (see "Programming the CD tracks" on page 13).
 - Tape: Load a tape with the side you want to play facing forward.
 - Radio: Tune in the preset station you want (see "Listening to the radio" on page 15).
- 2 Adjust the volume.
- **3** Press CLOCK/TIMER SET. "DAILY1 SET" appears.
- 4 Press I◄◄ or ►►I repeatedly to select "DAILY1 SET (or DAILY2 SET)", then press ENTER.

"ON" appears and the hour indication flashes.

5 Set the time to start playback.

Press ► or ► repeatedly to set the hour, then press ENTER.

The minute indication flashes.

Press ► or ► repeatedly to set the minutes, then press ENTER.

The hour indication flashes again.

6 Set the time to stop playback following step 5.

7 Press I or ► repeatedly until the music source you want appears.

The indications change as follows:

8 Press ENTER.

The type of timer ("DAILY 1" or "DAILY 2"), followed by the start time, stop time and the music source, appears, then the original display appears.

9 Turn off the power.

То	Do this
Check the setting	Press TIMER SELECT and press I◀◀ or ▶► repeatedly to select the respective mode ("DAILY 1" or "DAILY 2"), then press ENTER.
Change the setting	Start over from step 1.
Cancel the Daily Timer	Press TIMER SELECT and press I◀◀ or ▶► repeatedly to select "TIMER OFF", then press ENTER.

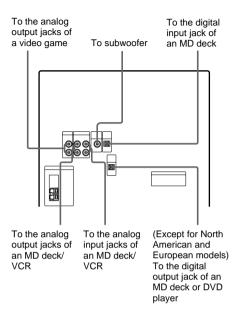
Tip

You can use the digipad instead of ◄◄/►►.

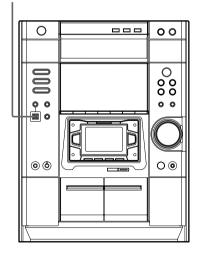
Notes

- If the power is on at the preset time, the Daily Timer does not work.
- When you use the Sleep Timer, the Daily Timer will not turn on the system until the Sleep Timer turns it off.
- The power turns on 15 seconds before the preset time.

Connecting audio components



To the digital output jack of an MD deck or DVD player



То	Do This
Make a digital recording from CD to MD	Connect an optional optical cable.
Listen to the digital sound of a connected MD deck	Press DIGITAL*.
Listen to the analog sound of a connected MD deck	Press MD (VIDEO).
Listen to the analog sound of a connected VCR	Hold down MD (VIDEO) and press I/U while the power is on. Release I/U first, then release MD (VIDEO). This switches the function from MD to VIDEO . Once you switched to the VIDEO function, just press MD (VIDEO).
Listen to the analog sound of a connected video game	Press GAME.

* Except for North American and European models, press DIGITAL repeatedly to select "DIGITAL 1" (for the digital input from the rear panel) or "DIGITAL 2" (for the digital input from the front panel).

Tips

- Pressing DIGITAL, MD (VIDEO) or GAME while the power is off automatically turns the power on.
- When you remove the optical cover, keep it for future use.

Notes

- Make sure to match the color of the plugs and the connectors
- If the sound is distorted or too loud when VIDEO function is selected, or you want to switch back to MD function, repeat the operation described above to switch to MD function.
- Digital signals are output from DIGITAL OUT jack during CD or DIGITAL function only. Besides, the sound output from the DIGITAL OUT jack is not affected by the sound adjustment.
- This unit is not compatible with 96 kHz sampling frequencies and SACD format.

Precautions

On operating voltage

Before operating the unit, check that the operating voltage of your unit is identical with the voltage of your local power supply.

On safety

- The unit is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet, even if the unit itself has been turned off.
- Unplug the unit from the wall outlet (mains) if it is not to be used for an extended period of time. To disconnect the cord (mains lead), pull it out by the plug. Never pull the cord itself.
- Should any solid object or liquid fall into the component, unplug the unit and have the component checked by qualified personnel before operating it any further.
- The AC power cord must be changed only at a qualified service shop.

On placement

- Do not place the unit in an inclined position.
- · Do not place the unit in locations where it is:
 - extremely hot or cold.
 - dusty or dirty.
 - very humid.
 - vibrating.
 - subject to direct sunlight.

On heat buildup

- Although the unit heats up during operation, this is not a malfunction.
- Place the unit in a location with adequate ventilation to prevent heat build-up in the unit.

If you continuously use this unit at a large volume, the cabinet temperature of the top, side and bottom rises considerably. To avoid burning yourself, do not touch the cabinet.

To prevent a malfunction, do not cover the ventilation hole for the cooling fan.

On operation

- If the unit is brought directly from a cold to a warm location, or is placed in a very damp room, moisture may condense on the lens inside the CD player. Should this occur, the unit will not operate properly. Remove the CD and leave the unit turned on for about an hour until the moisture evaporates.
- When you move the unit, take out any discs.

If you have any questions or problems concerning the unit, please consult your nearest Sony dealer.

Notes on CDs

- Before playing, clean the CD with a cleaning cloth. Wipe the CD from the center out.
- · Do not use solvents.
- Do not expose the CD to direct sunlight or heat sources
- Discs with non-standard shapes (e.g., heart, square, star) cannot be played on this unit. Attempting to do so may damage the unit. Do not use such discs.

Note on CD-R/CD-RW playback

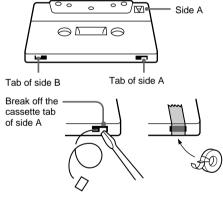
Discs recorded on CD-R/CD-RW drives may not be played back because of scratches, dirt, recording condition or the drive's characteristics. Besides, the discs, which are not yet finalized at the end of recording, cannot be played back.

Cleaning the cabinet

Use a soft cloth slightly moistened with mild detergent solution.

To save a tape permanently

To prevent a tape from being accidentally recorded over, break off the cassette tab from side A or B as illustrated. If you later want to reuse the tape for recording, cover the broken tab with adhesive tape.



Before placing a cassette in the tape deck

Take up any slack in the tape. Otherwise the tape may get entangled in the parts of the tape deck and become damaged.

When using a tape longer than 90 minutes

The tape is very elastic. Do not change the tape operations such as play, stop, and fast-winding etc. frequently. The tape may get entangled in the tape deck.

Cleaning the tape heads

Clean the tape heads after every 10 hours of use. Make sure to clean the tape heads before you start an important recording or after playing an old tape. Use a separately sold dry-type or wet-type cleaning cassette. For details, refer to the instructions of the cleaning cassette.

Demagnetizing the tape heads

Demagnetize the tape heads and the metal parts that have contact with the tape every 20 to 30 hours of use with a separately sold demagnetizing cassette. For details, refer to the instructions of the demagnetizing cassette.

Troubleshooting

If you run into any problem using this unit, use the following check list.

First, check that the power cord is connected firmly and the speakers are connected correctly and firmly.

Should any problem persist, consult your nearest Sony dealer.

General

The display starts flashing as soon as you plug in the power cord even though you haven't turned on the power.

• The demonstration mode started. Press I/() (see step 6 on page 8).

The clock setting/timer is canceled.

 The power cord is disconnected or a power failure occurs. Redo "Setting the time" (page 11). If you have set the timer, redo "Waking up to music" (page 25) and/or "Timer-recording radio programs" (page 19).

The radio presetting is canceled.

 The power cord is disconnected or a power failure occurs for longer than half a day. Redo "Presetting radio stations" (page 15).

There is no sound.

- · Turn VOLUME clockwise.
- · The headphones are connected.
- Insert only the stripped portion of the speaker cord into the SPEAKER jack. Inserting the vinyl portion of the speaker cord will obstruct the speaker connections.
- The protective device on the amplifier has been activated because of a short circuit.
 ("PROTECT" and "PUSH POWER" flash alternately.) Turn off the power, eliminate the short-circuit problem and turn on the power again.
- · There is no audio output during Timer-recording.

There is severe hum or noise.

A TV or VCR is placed too close to the unit.
 Move the unit away from the TV or VCR.

The sound from the component connected to the MD (VIDEO) jacks is distorted.

 If "VIDEO" appears in the display when you press MD (VIDEO), switch to "MD" function (see "Note: Connecting audio components" on page 26).

"--.-" lights up in the display.

 A power interruption occurred. Set the clock and timer settings again.

The timer does not function.

- · Set the clock correctly.
- You cannot activate the Daily timer and the Timer-recording simultaneously.

"DAILY 1", "DAILY 2", or "REC" does not appear when you press TIMER SELECT.

- · Set the timer correctly.
- · Set the clock.

The remote does not function.

- There is an obstacle between the remote and the unit.
- The remote is not pointing in the direction of the unit's sensor.
- The batteries have run down. Replace the batteries.

There is acoustic feedback.

- · Decrease the volume level.
- Move the microphone away from the speakers or change the direction of the microphone.

The color irregularity on a TV screen persists.

 Turn off the TV set once, then turn it on after 15 to 30 minutes. If the color irregularity still persists, place the speakers farther away from the TV set.

"PROTECT" and "PUSH POWER" appear alternately.

 A strong signal is input. Turn off the power, leave the system turned off for a while, then turn on the power again. If "PROTECT" and "PUSH POWER" still appear alternately, check the speaker cords.

Speakers

Sound comes from only one channel or unbalanced left and right volume.

- Check the speaker connection and speaker placement.
- · The source being played back is monaural.
- Adjust the balance parameters (page 10).

There is no sound from the center speaker (MHC-DP800AV only).

- Set the center speaker level to the appropriate level.
- 2CH/MULTI is set to "2CH".

There is no sound from the rear speakers (MHC-DP800AV only).

- Set the rear speakers level to the appropriate level.
- · 2CH/MULTI is set to "2CH".
- The software being played back has limited sound effects. Check the volume with the test tone.

Sound lacks bass.

 Check that the speaker's + and – terminals are connected correctly.

CD Player

The disc tray does not close.

• The CD is not placed properly.

The CD will not play.

- The CD is not lying flat in the disc tray.
- The CD is dirty (see page 27).
- · The CD is inserted label side down.
- · Moisture condensation has built up.

Playback does not start from the first track.

 The player is in Program Play or Shuffle Play mode. Press PLAY MODE repeatedly until "1 DISC" or "ALL DISCS" appears.

"OVER" is displayed.

· You have reached the end of the CD.

Tape Deck

The tape does not record.

- The tab has been removed from the cassette (see "To save a tape permanently" on page 27).
- · The tape has reeled to the end.

The tape does not record nor play, or there is a decrease in sound level.

- The heads are dirty (see "Cleaning the tape heads" on page 27).
- The record/playback heads are magnetized (see "Demagnetizing the tape heads" on page 28).

The tape does not erase completely.

• The record/playback heads are magnetized (see "Demagnetizing the tape heads" on page 28).

There is excessive wow or flutter, or the sound drops out.

• The capstans or pinch rollers are dirty (see "Cleaning the tape heads" on page 27).

Noise increases, or the high frequencies are erased.

 The record/playback heads are magnetized (see "Demagnetizing the tape heads" on page 28).

After pressing **◄** or **△**, there is a mechanical noise, "EJECT" appears in the display, and the unit enters standby mode automatically.

• The cassette tape has not inserted correctly.

Tuner

There is severe hum or noise ("TUNED" or "STEREO" flashes in the display).

- · Adjust the antenna.
- The signal is too weak. Connect an external antenna.

A stereo FM program cannot be received in stereo.

• Press FM MODE so that "MONO" disappears.

If other troubles not described above occur, reset the system as follows:

- **1** Press ■, DISPLAY and DISC 1 at the same time.
- **2** Unplug the power cord.
- 3 Plug the power cord back in.
- **4** Press I/() to turn on the power.

The unit is reset to factory settings. All the settings are cleared.

Specifications

AUDIO POWER SPECIFICATIONS: (MHC-DP700 USA model only)

POWER OUTPUT AND TOTAL HARMONIC DISTORTION

with 8 ohm loads both channels driven, from 120 Hz - 10 kHz; rates 100 watts per channel minimum RMS power, with no more than 10% total harmonic distortion from 250 milliwatts to rated output.

Amplifier section

Canadian model: MHC-DP700

Continuous RMS power output (reference)

100 + 100 watts (8 ohms at 1 kHz, 10%

THD)

Total harmonic distortion less than 0.07% (8 ohms at 1 kHz, 70 W)

MHC-DP800AV

Continuous RMS power output (reference) Front speaker: 100 + 100 watts 30 watts Center speaker: Rear speakers: 30 + 30 watts

(8 ohms at 1 kHz, 10%

THD)

Total harmonic distortion less than 0.07%

(8 ohms at 1 kHz, 65 W)

European model: MHC-DP700

DIN power output (rated) 60 + 60 watts (8 ohms at 1 kHz, DIN)

Continuous RMS power output (reference)

80 + 80 watts

(8 ohms at 1 kHz, 10%

Music power output (reference)

150 + 150 watts (8 ohms at 1 kHz, 10%

THD)

MHC-DP800AV

DIN power output (rated) 60 + 60 watts

(8 ohms at 1 kHz, DIN)

Continuous RMS power output (reference) Front speaker: 80 + 80 watts Center speaker: 30 watts Rear speakers: 30 + 30 watts

(8 ohms at 1 kHz, 10%

Music power output (reference)

Front speaker: 150 + 150 watts Center speaker: 60 watts Rear speakers: 60 + 60 watts

(8 ohms at 1 kHz, 10%

THD)

Oceanian model:

MHC-DP800AV The following measured at AC 120, 220, 240 V,

50/60 Hz DIN power output (rated) 90 + 90 watts

(8 ohms at 1 kHz, DIN)

Continuous RMS power output (reference) Front speaker: 120 + 120 watts Center speaker: 40 watts

40 + 40 watts (8 ohms at 1 kHz, 10%

THD)

Other models: MHC-DP700

Rear speakers:

The following measured at AC 120, 220, 240 V,

50/60 Hz

DIN power output (rated) 130 + 130 watts

(6 ohms at 1 kHz, DIN)

Continuous RMS power output (reference) 180 + 180 watts

(6 ohms at 1 kHz, 10% THD)

MHC-DP800AV

The following measured at AC 120, 220, 240 V,

DIN power output (rated) 90 + 90 watts

(8 ohms at 1 kHz, DIN)

Continuous RMS power output (reference) 120 + 120 watts Front speaker: Center speaker: 40 watts Rear speakers: 40 + 40 watts

(8 ohms at 1 kHz, 10%

THD)

Inputs voltage 250 mV, GAME IN: (phono jacks) impedance 47 kilohms voltage 450 mV/250 mV, MD/VIDEO IN: (phono jacks) impedance 47 kilohms OPTICAL IN:

(Square optical connector jacks, front panel (North American and European models only), or front and rear panels (except for North American and European models))

wavelength

MIC: sensitivity 1 mV. (Except for North impedance 10 kilohms

American and European models) (phone jack)

Outputs

MD (VIDEO) OUT: voltage 250 mV impedance 1 kilohms (phono jacks) PHONES: accepts headphones of (stereo mini jack) 8 ohms or more

SPEAKER (MHC-DP700) or FRONT SPEAKER (MHC-DP800AV)

MHC-DP700 (Central and

South American models): accepts impedance of 6 to 16 ohms

MHC-DP700 (Other

models) and

MHC-DP800AV: accepts impedance of 8 to 16 ohms

REAR SPEAKER: accepts impedance of 8 to

(MHC-DP800AV only) 16 ohms

CENTER SPEAKER: accepts impedance of 8 to

(MHC-DP800AV only) 16 ohms SUB WOOFER: Voltage 1 V.

impedance 1 kilohms

CD player section

System Compact disc and digital

> audio system Semiconductor laser

Laser $(\lambda = 795 \text{ nm})$

 $2 \text{ Hz} - 20 \text{ kHz} (\pm 0.5 \text{ dB})$ Frequency response Signal-to-noise ratio More than 90 dB More than 90 dB Dynamic range

DIGITAL OUT OPTICAL

(Square optical connector jack, rear panel)

wavelength 660 nm Tape player section

Recording system 4-track 2-channel stereo Frequency response $40 - 13.000 \text{ Hz} (\pm 3 \text{ dB}).$ (DOLBY NR OFF) using Sony TYPE I

cassette,

40 - 14,000 Hz (±3 dB), using Sony TYPE II

cassette

Wow and flutter ±0.15% W.Peak (IEC) 0.1% W.RMS (NAB)

±0.2% W.Peak (DIN)

Tuner section

FM stereo, FM/AM superheterodyne tuner

FM tuner section

Tuning range 87.5 - 108.0 MHz Antenna FM lead antenna Antenna terminals 75 ohm unbalanced

10.7 MHz Intermediate frequency

AM tuner section

Tuning range

Pan American model: 530 - 1.710 kHz (with the interval set at

10 kHz)

531 - 1.710 kHz (with the interval set at

9 kHz) European and Middle Eastern models:

531 - 1.602 kHz

(with the interval set at 9 kHz)

531 - 1 602 kHz

Other models: (with the interval set at

9 kHz)

530 - 1.710 kHz (with the interval set at

10 kHz)

Antenna AM loop antenna Antenna terminals External antenna terminal

Intermediate frequency 450 kHz

continued

Specifications (continued)

Speaker

Front speaker

SS-DP1000DW (North American model) or SS-DP700/DP800AVW (European and Oceanian models) for MHC-DP700/DP800AV

Speaker system 2-way, bass-reflex type,

magnetically shielded type

Speaker units Ŵoofer: 17 cm, cone type Tweeter: 5 cm, cone type

Nominal impedance 8 ohms

Dimensions (w/h/d) Approx. 230 x 360 x 260 mm

Mass Approx. 4.0 kg net per

SS-DP900D/DP800AV for MHC-DP700/ DP800AV (Other models)

Speaker system 3-way, 3-unit,

bass-reflex type.

magnetically shielded type

Speaker units

Woofer: 15 cm, cone type Subwoofer: 15 cm, cone type Tweeter: 5 cm, cone type

Nominal impedance

SS-DP900D 6 ohms SS-DP800AV 8 ohms

Dimensions (w/h/d) Approx. 250 x 360 x 335 mm Mass Approx. 6.5 kg net per

speaker

Rear speaker SS-RS270 for MHC-DP800AV

1-way, 1-unit, Speaker system bass-reflex type

Speaker units Full-range: 8 cm, cone type

Nominal impedance 8 ohms

Approx. 180 x 95 x 100 mm Dimensions (w/h/d) Mass Approx. 0.65 kg net per

speaker

Center speaker SS-CT270 for MHC-DP800AV

1-way, 2-unit, Speaker system bass-reflex type,

magnetically shielded type

Speaker units

Full-range: 8 cm, cone type

Nominal impedance 8 ohms

Dimensions (w/h/d) Approx. 225 x 95 x 100 mm

Mass Approx. 1.2 kg net

For the customers in Canada (MHC-DP800AV only)

Use only the supplied SS-RS270 rear speakers for connection to the REAR SPEAKER jacks, and only the supplied SS-CT270 center speaker for connection to the CENTER SPEAKER jacks on the MHC-DP800AV.

General

Power requirements

North American model: 120 V AC, 60 Hz European model: 230 V AC, 50/60 Hz Australian model: 230 - 240 V AC.

50/60 Hz

Mexican model: 120 V AC, 60 Hz Thailand model: 220 V AC, 50/60 Hz Korean model: 220 V AC, 60 Hz Other models: 120 V, 220 V or

230 - 240 V AC. 50/60 Hz

Adjustable with voltage selector

Power consumption

U.S.A. model:

MHC-DP700 170 watts

Canadian model:

MHC-DP700 170 watts MHC-DP800AV 190 watts

European model:

MHC-DP700 150 watts

0.5 watts (during Power

Saving Mode) 170 watts

MHC-DP800AV 0.5 watts (during Power

Saving Mode)

Other models:

MHC-DP700 180 watts MHC-DP800AV 210 watts

Dimensions (w/h/d) Approx. 280 x 360 x 365 mm

Mass

North American and European models:

MHC-DP700 Approx. 10.5 kg MHC-DP800AV Approx. 10.5 kg Other models:

MHC-DP700 Approx. 12.0 kg MHC-DP800AV Approx. 12.0 kg

Supplied accessories: AM loop antenna (1)

FM lead antenna (1) Remote commander (1)

Batteries (2) Front speaker pads (8) Center and rear speaker pads (MHC-DP800AV

only, 12)

Design and specifications are subject to change

without notice.